Work Order I Thursday, July 15, 20								•		Page 1	<u></u>
Revision ID:	62-041 Assembly, LH		Accept				s	Setup Star			-
	/2010 Start Qty: 2.00		•	Cust Item II Çustomer:) ;		,		1 18811181 8		
Approvals: Pro	ocess Plan:	Date:/// Date:	Tooling: SPC (Y/N):	Dat			F	Run Sta			
Sequence ID/ Work Center ID	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp	
Draw Nbr D3562	Revision Nbr Rev E										
Large Fab		22 extrusion as per Dwg D35 nd bevel ends for welding		\$10.08.0)Y		2	of l			2
110 . QC Quality Control	QC5- Inspect part comp	leteness to step on W/O	0.00	08/05			42	gf_			

120

Chemical Conversion Coat per QSI005 4.1

0.00

N 10.08.05

HandFinish

Memo

0.00

Hand Finishing

Dart Aerospace	: Ltd
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W/O:			WO	RK ORDER CHANGE	S				
DATE	STEP	PRC	OCEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	:	PAR #:	Fault Categ	jory:	NCR: Yes	No DQ	A:	Date: _	
	Re	esolution:	Disposition	ı:	QA: N/C C	losed:		Date: _	
NCR:		\	WORK ORDE	R NON-CONFORMA	NCE (NC	₹)			
DATE	STEP	Description of NC		Corrective Action Section			Approval	Approval	
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Date		ion C	Chief Eng	QC Inspector
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				10 17 1874-1874-1874					
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Thursday, July 15, 2010 10:31:02 AM



Page 2

Item ID:

D3562-041

Accept



Setup Start

Stop



Revision ID:

Item Name: Step Assembly, LH

Start Date:

7/15/2010

Start Qty: 2.00

Required Date: 7/22/2010

Req'd Qty: 2.00



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan: _____ Date: ____

QC:

Tooling:

Date:

Date:

Run

Start

Stop



Date:

SPC (Y/N):

Set Up/

Tool ID

Tool # Plan

Accept

Reject

Reject

Work Center ID 130

Sequence ID/

Quality Control

Operation **Description**

QC3- Inspect Part Finish

Memo

Run Hours 0.00

0.00 SAD 10-0%-26

Qty Code

Qty

Number

Insp. Stamp

140

Small Fab Small Fab

Small Fab

Memo

1- Transfer drill Rivet holes as per dwg D3562.

2-Touch-up rivet holes with alodine as per dwg d3562

3-Rivet legs using Magnabond as per dwg D3562. ******Ensure to wipe off any exess magnobond ******

Memo

A/R Magnabond 6398 Batch: M1/4/58

150

QC

Quality Control

QC5- Inspect part completeness to step on W/O

0.00

0.00

0.00

0.00

Dart Ae	rospace	Ltd							*
W/O:			WO	RK ORDER CHANGE	S				
DATE	STEP	PR	OCEDURE CHAN	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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		Description of NC		Corrective Action Section		Verific	cation	Approval	Approvai
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date		ion C	Chief Eng	QC Inspector
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Section A Chief Eng Chief Eng Section C Chief Eng GC Inspector

Thursday, July 15, 2010 10:31:02 AM



Page 3

Item ID:

D3562-041

Accept



Setup Start

Stop



Revision ID:

Item Name:

Step Assembly, LH

Start Date:

7/15/2010

Start Qty: 2.00

Required Date: 7/22/2010 Req'd Qty: 2.00



Cust Item ID: Customer:

Reference:

Approvals:

Process Plan:

Date:_

Date:

Tooling: SPC (Y/N): Date:

Tool ID

Run

Accept

Qty

Start



Reject

Reject

Sequence ID/ **Work Center ID**

160

Large Fab

Large Fab

Operation

Large Fab

Description

Set Up/ **Run Hours**

0.00

f110.08.30 2

Date:

Tool # Plan

Code

Qty Number

Insp. Stamp

1-Weld end caps as per Dwg d3562 & QSI 004. Inspect for foreign objects as

per QSI 024.

Memo

A/RAluminum Rod M1/2860 2-Grind end cap welds flush as per Dwg D3562

170

Memo

Memo

0.00

0.00

Quality Control

180

Quality Control

QC5- Inspect part completeness to step on W/O

QC9- Inspect visual per QS1004- Fusion Welds

0.00

Dart Aerospace Ltd

W/O:			W	ORK ORDER CHANG	ES				
DATE	STEP	PRO	OCEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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NCR:			WORK ORI	DER NON-CONFORMA	ANCE (NC	?)			
DATE	STEP	· Description of NC			ion B	Verific	cation	Approval	Approval
DATE	SIEF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign a	🖁 Secti	Section C	Chief Eng	QC Inspector
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Thursday, July 15, 2010 10:31:02 AM



Page 4

Item ID:

D3562-041

Accept



Setup Start

Stop



Revision ID:

Item Name: Step Assembly, LH

Start Date:

7/15/2010

Start Qty: 2.00

Required Date: 7/22/2010

Req'd Qty: 2.00



Date:_____

Cust Item ID:

Customer:

Reference:

Approvals:

QC:

Process Plan:

Date: **Tooling:**

SPC (Y/N):

Date:

Date:

Run

Start Stop



Sequence ID/ Work Center ID

190

HandFinish Hand Finishing

Operation Description

Chemical Conversion Coat per QSI005 4.1

Set Up/ Run Hours

0.00

0.00

Tool ID

Tool # Plan Code Accept **Qty**

Reject Qty

Reject Number

Insp. Stamp

200

Powdercoat

Powder Coating

White Gloss(Ref: 4.3.5.1) per QSI005 4.3-Alum

Memo

Memo

START TIME: OVEN TEMPERATU

FINISH TIME:

0.00

0.00

Wing Walk as per dwg QSI005 4.4 Batch 115028

0.00

2 BL 16-8-31

210

HandFinish

Hand Finishing

Memo

Dart Aerospace Ltd

W/O:			W	ORK ORDER CHANG	GES					-
DATE	STEP	PRO	CEDURE CH	ANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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NCR:			WORK ORI	DER NON-CONFORM	IANCE	(NCR)				
DATE	STEP	Description of NC	B., 242 - 1		ction B	Sign &	Verific		Approval	Approval
DAIL	012.	Section A	Initial Chief Eng	Action Description Chief Eng		Date	Section	on C	Chief Eng	QC Inspector
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Thursday, July 15, 2010 10:31:02 AM



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Item ID:

D3562-041

Accept

Setup Start

Stop



Revision ID:

Item Name:

Step Assembly, LH

Start Date:

7/15/2010

Start Qty: 2.00

Required Date: 7/22/2010

Req'd Qty: 2.00



Cust Item ID:

Customer:

Reference:

Approvals:

Operation

Description

Date:

Tooling:

Date:

Run

Start

Reject

Qty

Stop



Date:

SPC (Y/N):

Set Up/

Run Hours

Tool ID

Tool # Plan

Code

Accept

Qty

Reject Number

Insp. Stamp

Work Center ID

220

Sequence ID/

Memo

QC3- Inspect Part Finish

Date:

Quality Control

1D + STOCK

230

Packaging

Packaging

6-A_

0.00

240

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

Memo

0.00

Dart Aeı	rospace	e Ltd						ť s
W/O:			V	VORK ORDER CHANGE	S			_
DATE	STEP	PROC	EDURE CH	IANGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	•	PAR #:	_ Fault Ca	tegory:	NCR: Yes	No DQA:	Date: _	
	R	esolution:	_ Disposit	ion:	QA: N/C Clo	sed:	Date: _	-01
NCR:		W	ORK OR	DER NON-CONFORMAI	NCE (NCR)		
		Description of NC		Corrective Action Section		Verification	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
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Picklist Print

Thursday, July 15, 2010 10:31:06 AM

Work Order ID: 60634

Parent Item: D3562-041

Parent Item Name: Step Assembly, LH



Start Date: 7/15/2010

Required Date: 7/22/2010

Page 1

Start Qty: 2.00

Required Qty: 2.00

Comments:

IPP Rev:A

IPP rev B

ECN 987

New Issue 06-11-09 JLM

07.10.09 EC verified by: DD ECN1048 07-12-18 DD verified by:ec

IPP Rev:C IPP Rev:D

08-07-28 add chemical conversion coat DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2622-120C	11	Manufactured	No			100	Each	120.9200	1	\mathcal{L}	10 ·08	1.04	
				<u>Locatio</u> WA	<u>n</u> 55214 58544		Otv 20.92 3.92 117	Loc Code		2	_		
D2734		Manufactured	No		36344	140	Each	15.0000	2	4 /k	10.0	8 ·30)
				<u>Locatio</u> WA	<u>n</u> B602/6 55014	Loc	Otv 15 15	Loc Code	<u>-</u> -	4	_		
D3560-041 		Manufactured	No			140	Each	8.0000	1	2 /c	10.0	28-3	77
		4		<u>Locatio</u> WA	<u>48385</u>	Loc	<u>Oty</u> 8 8	Loc Code	, 	2	_		
D3560-043		Manufactured	No			140	Each	7.0000		2/2	10 00	8.21	
				<u>Locatio</u> WA	<u>n</u> 48387	<u>Loc</u>	Oty 7 7	Loc Code	_	2			

W/O:	rospace Ltd	APA ANALAS ANALA	WORK ORDER (CHANGES				· · · · · · · · · · · · · · · · · · ·
DATE	STEP	PR	OCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No):	PAR #:	Fault Category:	NCR: Ye	s No DQ	A:	Date: _	
	Resolut	ion:	Disposition:	QA: N/C	Closed:		Date: _	
NOD			WORK ORDER NON-CON	FORMANCE (NO	:R)			

NCR:	WORK ORDER NON-CONFORMANCE (NCR)								
		Description of NC		Corrective Action Section B		Verification	Approval	Approval	
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Picklist Print

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Page 2

Work Order ID: 60634

Parent Item:

D3562-041

Parent Item Name: Step Assembly, LH

Start Date: 7/15/2010

Required Date: 7/22/2010

Start Qty: 2.00

Required Qty: 2.00

MS20600-AD4W5

Blind Rivet

Purchased

No

160

Each 728.0000

Loc Code

32

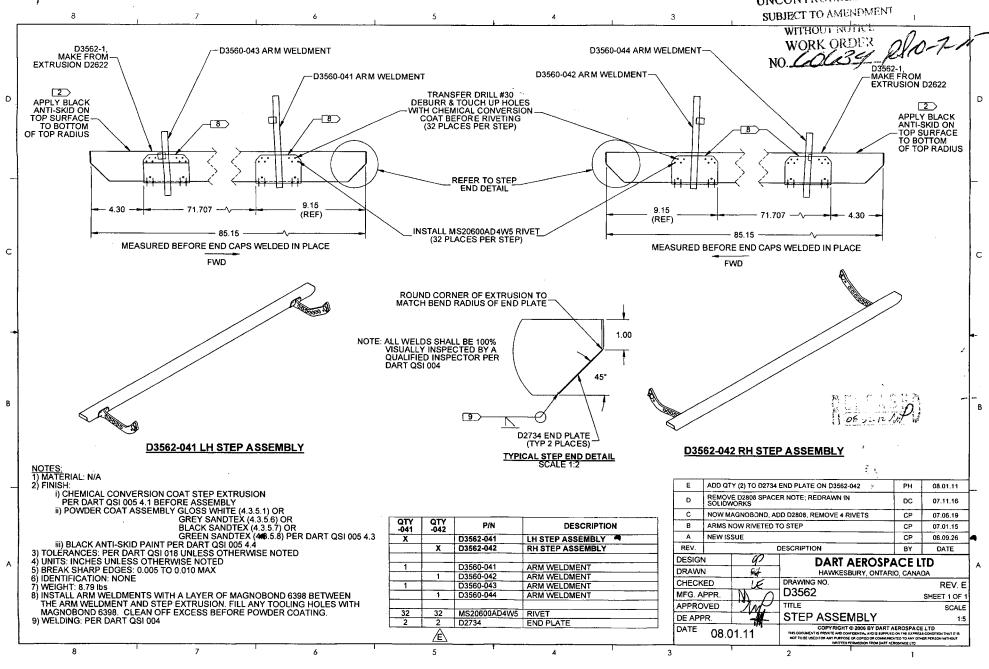
<u>Location</u>	Loc Qty
ST321	728
111477	428
114382	300



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W/O:				WORK ORDER (CHANGES				1
DATE	STEP		PR	OCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No) :		PAR #:	Fault Category:	NCR: Ye	es No DQ	A:	Date: _	
	Re	esolution:		Disposition:	QA: N/C	Closed:		Date: _	
NCR:			WORK ORDER NON-CON	FORMANCE (N	CR)				

NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
DATE	STEP	Description of NC	Corrective Action Section B			Verification	Approval	Annessal		
		Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector		
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SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY



Dart Aerospace Ltd

W/O:			WORK ORDER CHANGES					
DATE	STEP	PRO	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
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Part No: PAR #:		PAR #:	Fault Category:	NCR: Ye	s No DQ	A:	_ Date: _	
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